GOVERNMENT OF INDIA
WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION
LOK SABHA

UNSTARRED QUESTION NO:802
ANSWERED ON:20.07.2017
Contamination of Ground Water
Khuba Shri Bhagwanth;Suresh Shri Doddaalahalli Kempegowda

Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION be pleased to state:

(a) whether, it is true that the widespread use of fertilizers and pesticides cause considerable contamination in ground water in the country;
(b) if so, the details of the States largely affected with contamination of ground water along with current status of contamination in each State;
(c) whether the Government is taking any measures to create an awareness among people about the problem and to prevent ground water contamination;
(d) if so, the details thereof and whether the Government is encouraging any research and development to ensure safe ground water; and
(e) if so, the details thereof?

Answer

THE MINISTER OF STATE FOR WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION
(DR. SANJEEV KUMAR BALYAN)

(a) & (b) Ground water quality data generated by Central Ground Water Board (CGWB) during various scientific studies and ground water quality monitoring indicates that contamination of ground water in isolated pockets in parts of various States. Contamination is both geo-genic and anthropogenic in nature including due to use of pesticides and fertilizers. State-wise details of contamination of ground water are given at Annexure-I.

(c) to (e) Government is taking several measures to create awareness among people about the problem of ground water contamination and various preventive measures in this regard −
â€¢ National Ground Water Training and Research Institute is conducting block level training under its tier −III training programme for stakeholders, farmers, students, PR institutions, wherein, awareness about groundwater challenges and to prevent groundwater contamination is being provided. Details of such 312 training conducted in last five years in the entire Country and current year (up to June 2017) is given at Annexure-II.
â€¢ CGWB organizes Workshops on Water Conservation, Water Security, Water Quality, Climate Change & Best Practices under Jal Kranti Abhiyan. 15 Workshops during 2015-16 and 5 workshops were held in 2016-17 on Water Conservation related issues.
â€¢ In addition to this, under the IEC activity of MoWR, RD & GR, Painting Competition is held every year on Water Conservation & Pollution for the students of Class VI, VII &VIII About 13.5 lakhs students participated in the Seventh National Painting Competition in the year 2016-17. Essay completion Water Conservation & Pollution is also held for the students up to the age of 18 years. About 8000 students participated in the second Essay Competition in the year 2016-17.
Central Government is also encouraging R&D studies to ensure safe ground water. CGWB under Indian National Committee on Ground Water (INCGW) R&D programme is sponsoring Research Project for groundwater. The details of such R&D project undergoing on during last five year and current year are given at Annexure-III

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ANNEXURE - I

Annexure referred in reply to part (a) & (b) of Lok Sabha Unstarred Q.No. 802 to be answered on 20.07.2017 regarding "Contamination of Ground Water"

States-wise Districts affected with Ground Water Contamination by different Chemical Constituents

S.
No. State/ UT Salinity (EC above 3000 micro mhos/ cm)
(EC : Electrical Conductivity) Fluoride
(above 1.5 mg/l) Nitrate
(above 45 mg/l) Arsenic
(above 0.01 mg/l) Iron
(above 1mg/l)
1 Andhra Pradesh Srikakulam, Visakhapatnam, East-Godavari, West-Godavari Krishna,
Guntur,
Prakasam,

Nellore,
Kadapa,
Kurnool, Ananthapur Visa khapatnam, West-Godavari Krishna,
Guntur,
Prakasam,
Nellore,
Chittoor
Kadapa,
Kurnool, Ananthapur,
Sirkakulam Srikakulam,
Vizianagaram,
Visa khapatnam, East-Godavari,
West-Godavari Krishna, Guntur, Prakasam, Nellore, Chittoor Kadapa, Kurnool, Ananthapur, Guntur, Kurnool,
Nellore Vishakhapatnam Krishna,
Guntur,
Nellore,
Kurnool,
Chittoor, Cuddapah,
2 Telangana Adilabad, Nizamabad, Karimnagar, Warangal Khammam, Medak, Mehboob Nagar, Nalgonda Adilabad, Karimnagar, Khammam, Warangal, Mahabubnagar, Medak, Nalgonda, Rangareddy, Nizamabad Adilabad, Nizamabad, Karimnagar, Warangal Khammam, Hyderabad, Mahabubnagar, Medak, Nalgonda, Rangareddy, Nalgonda

Adilabad, Hyderabad, Karimnagar, Mahabubnagar, Medak, Nalgonda, Nizamabad, Ranga Reddy
3 Assam Goalpara, Kamrup, KarbiAnglong, Naugaon, Golaghat, Karimganj
Sivsagar, Jorhat, Golaghat, Sonitpur, Lakhimpur, Dhemaji, Hailakandi, Karimganj, Cachar, Barpeta, Bongaigaon, Goalpara, Dhubri, Nalbari, Nagaon, Morigaon, Kamrup,Darrang&Baksha Cachar, Darrang, Dhemaji, Dhubri, Goalpara, Golaghat, Hailakandi, Jorhat, Kamrup, KarbiAnglong, Karimganj, Kokrajhar, Lakhimpur, Morigaon, Nagaon, Nalbari, Sibsagar, Sonitpur
4 Arunachal Pradesh Changlang , East Siang, Lohit, Papumpare
5 Bihar Aurangabad, Banka, Bhagalpur, Gaya, Jamui, Kaimur(Bhabua), Munger, Nawada, Rohtas, Jahanabd, Lakhisarai, Sheikhpura, Nalanda Aurangabad, Banka, Bhagalpur, Bhojpur, Darbhanga, Kaimur(Bhabua), Patna, Rohtas, Saran, Siwan Begusarai, Bhagalpur, Bhojpur, Buxar, Darbhanga, Katihar, Khagaria, Kishanganj, Lakhisarai, Munger, Patna, Purnea, Samastipur, Saran, Vaishali
E.Champaran, Gopalganj, Lohardaga, Madhepura,
Muzaffarpur
Saharsa, Siwan, W Champaran Aurangabad, Begusarai, Bhojpur, Buxar, East Champaran, Gopalganj, Katihar, Khagaria, Kishanganj, Lakhiserai, Madhepura, Muzaffarpur, Nawada, Rohtas, Saharsa, Samastipur, Siwan, Supaul, West Champaran
6 Chhattisgarh Bastar, Balod , Balrampur, Bemetra, Bijapur , Durg, Kanker, Kondagaon, Korba, Koriya, Raigarh, Surajpur, Surguja Bastar, Bilaspur, Dantewada, Dhamtari, Jashpur, Kanker, Kawardha, Korba, Mahasamund, Raigarh, Raipur, Rajnandgaon Rajnandgaon Bastar, Dantewada, Kanker, Koriya,
7 Delhi New Delhi, North , South, East, West, North West, South West East Delhi, New Delhi, North West Delhi, South Delhi, South West Delhi, North Delhi, West Delhi
East Delhi, Central Delhi, New Delhi, North Delhi, North West Delhi, South Delhi, South West Delhi, West Delhi East, North east
8 Goa North Goa , South Goa
9 Gujarat Ahmedabad, Amreli, Anand, Banaskantha, Bharuch, Bhavnagar, Dahod, Jamnagar, Junagadh, Kachchh, Kheda, Mahesana, Navsari, Patan, Porbandar, Rajkot, Sabarkantha, Surat, Surendranagar, Vadodara, Narmada Ahmedabad, Amreli, Anand, Banaskantha, Bharuch, Bhavnagar, Dahod, Gandhinagar, Jamnagar, Junagadh, Kachchh, Mehesana, Panchmahals, Patan, Porbandar, Rajkot, Sabarkantha, Surendranagar, Vadodara
Ahmedabad, Amreli, Anand, Banaskantha, Bharuch, Bhavnagar, Dahod, Jamnagar, Junagadh, Kachchh, Kheda, Mehesana, Narmada, Navsari, Panchmahals, Patan, Porbandar, Rajkot, Sabarkantha, Surat, Surendranagar, Vadodara Amreli, Anand, Bharuch, Bhavnagar, Dahod, Gandhinagar, Kachchh, Mehesana, Patan, Rajkot, Surendranagar, Vadodara Ahmedabad, Banaskantha, Bhavnagar, Kachchh, Mehesana,Narmada
10 Haryana Ambala, Bhiwani, Faridabad, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Karnal, Mohendragarh, Panipat, Rewari, Rohtak, Sirsa, Sonepat Ambali, Bhiwani, Fatehabad, Faridabad, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Karnal, Kurukshetra, Mahendergarh, Panchkula, Palwal,Panipat, Rewari, Rohtak, Sirsa, Sonepat, Yamuna Nagar
Ambala, Bhiwani, Faridabad, Fatehabad, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Karnal, Kurukshetra, Mahendargarh, Panchkula, Panipat, Rewari, Rohtak, Sirsa, Sonipat, Yamuna Nagar Ambala, Bhiwani, Faridabad, Fatehabad, Hissar, Jhajjar, Jind, Karnal, Panipat, Rohtak, Sirsa, Sonepat, Yamunanagar,
Mahendergarh, Palwal Ambala, Bhiwani, Faridabad, Fatehabad, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Karnal, Kurukshetra, Mahendargarh, Panipat, Rohtak, Sirsa, Sonipat, Yamuna Nagar
11 Himachal Pradesh Una, Solan, Hamirpur, Kangra, Mandi, Kullu Kangra
12 Jammu & Kashmir Jammu, Kathua Jammu, Kathua, Anantnag, Kupwara Jammu, Kathua, Rajouri Baramulla, Budgam, Kathua, Kupwara, Pulwama, Srinagar
13 Jharkhand Bokaro, Dhanbad, Garhwa,Giridih, Godda, Gumla, Koderma, Pakur Palamu, Ranchi, , Sahebganj, Khunti
Chatra, Garhwa, Godda, Gumla, Lohardaga, Pakur, Palamu, PaschimiSinghbhum, PurbiSinghbhum, Ranchi, Sahibganj Sahebganj Chatra, Deoghar, East Singhbhum, Giridih, Ranchi, West Singhbhum
14 Karnataka Bagalkote, Bangalore-Rural, Bangalore-Urban, Belgaum, Bellary, Bijapur, Chamarajnagara, Chikballapur, Chikmagalur, Chitradurga, Dakshina Kannada, Davanagere, Dharwad, Gadag, Gulburga, Hassan, Haveri, Kodagu/ Coorg, Kolar, Koppal, Mandya, Mysore, Raichur, Ramanagara, Shimoga, Tumkur, Udupi, Uttara Kannada, Yadgir Bagalkot, Bangalore(Rural), Bangalore(Urban),Belgaum, Bellary, Bidar, Bijapur, Chikaballapur Chamarajanagar, Chikmagalur, Chitradurga, Davanagere, Dharwad, Dakshina Kannada, Gadag, Gulburga, Hassan, Haveri, Kolar, Koppal, Mandya, Mysore, Raichur, Ramnagara , Shimoga, Tumkur, Yadgir, Uttara Kannada, Udupi Bagalkot, , Bangalore, Belgaum, Bellary, Bidar, Bijapur, Chikmagalur, Chitradurga,

Davanagere, Dharwad, Gadag, Gulburga, Hassan, Haveri, Kodagu, Kolar, Koppal, Mandya, Raichur. Shimoga, Udupi, Uttar Kannada Raichur and Yadgir district Bagalkot, Bangalore, Belgaum, Bellary, Bidar, Bijapur, Chikmagalur, Chitradurga, Dakshina Kannada, Davanagere, Gulburga, Hassan, Haveri, Kodagu, Kolar, Koppal, Mysore, Raichur, Shimoga, Tumkur, Udupi, Uttar Kannada
15 Kerala Trivandrum, Kollam, Kottayam, Ernakulam Palakkad, Alappuzha, Idukki, Ernakulum, Thiruvananthpuram
Alappuzha, Idukki, Kollam, Kottayam, Kozhikode, Malappuram, Palakkad, Pathanamthitta, Thiruvananthapuram, Thrissur, Wayanad Alappuzha, Ernakulam, Idukki, Kannur, Kasaragod, Kollam, Kottayam, Kozhikode, Malappuram, Palakkad, Pathanamthitta, Quilon, Thiruvananthapuram, Thrissur, Wayanad
16 Madhya Pradesh Balaghat, Bhind,Chhatarpur, Gwalior, Indore, Jhabua, Khargone, Morena, Neemuch, Ratlam, Rewa, Satna,Sehore, Sheopur, Shivpuri, Ujjain Alirajpur, Balaghat, Barwani, Betul, Bhind, Bhopal,Chhatarpur, Chhindwara, Datia, Dewas, Dhar, Dindori, Guna, Gwalior, Harda, Jabalpur, Jhabua, Khargon, Mandla, Mandsaur, Morena, Narsinhpur, Neemuch, Panna, Raisen, Rajgarh, Ratlam, Sagar, Satna, Sehore, Seoni, Shahdol, Shajapur, Sheopur, Sidhi, Shivpuri, Singrauli, Uajjain, Vidisha

Alirajpur, Anuppur, Ashok Nagar, Balaghat, Barwani, Betul, Bhind, Bhopal, Burhanpur, Chhatarpur, Chhindwara, Damoh, Datia, Dewas, Dhar, , Dindori,Guna, Gwalior, Harda, Hoshangabad, Indore, Jabalpur, Jhabua, Khandwa, Khargon, Katni, Mandla, Mandsaur, Morena, Narsimhapur, Neemuch, Panna, Raisen, Rajgarh, Ratlam, Rewa, Sagar, Satna, Sehore, Seoni, Shahdol, Shajapur, Sheopur, Shivpuri, Sidhi, Singrauli, Tikamgarh, Ujjain, Umaria, Vidisha Betual,Burhanpur, Chhindwara, Dhar, Khandwa, Mandsaur, Neemuch, Umaria Balaghat,Barwani, Betul, Bhind, Bhopal, Chhatarpur, Chhindwara, Damoh, Datia, Dewas, Dhar, Dindori, Guna, Gwalior, Hoshangabad, Indore, Jabalpur, Jhabua, Khandwa, Katni, Mandla, Mandsaur, Narsinghpur, Neemuch, Panna, Raisen, Rajgarh,Ratlam, Rewa, Sagar, Satna, Sehore, Seoni, Shahdol, Shajapur,Shivpuri, Sidhi,Tikamgarh, Ujjain, Umaria, Vidisha, East Nimar
17 Maharashtra Ahmednagar, Akola, Amravati, Aurangabad, Beed, Bhandara,Buldhana, Chandrapur,Dhule,Jalgaon, Jalna, Nagpur, Nasik, Pune,Raigard, Sangli,Satara, Solapur, Thane,Yavatmal Ahmednagar, Beed, Chandrapur, Bhandara, Dhule, Gadchiroli, Gondia, Jalna, Nagpur, Nanded, Ratnagiri, Sangli, Satara, Sindhudurg, Solapur, Wardha,Yavatmal
Ahmednagar, Akola, Amravati, Auragabad, Beed, Bhandara, Buldana, Chandrapur, Dhule, Gadchiroli, Gondia, Hingoli, Jalgaon, Jalna, Kolhapur, Latur, Mumbai, Nagpur, Nanded, Nandurbar, Nasik, Osmanabad, Parbhani, Pune, Sangli, Satara, Solapur, Wardha, Washim, Yavatmal Ahmednagar, Amravati, Beed, Buldana, Chandrapur, Dhule, Gadchiroli, Jalna, Kohlapur, Latur, Nandurbar, Nashik, Osmanabad, Parbhani, Ratnagiri, Satara, Thane, Wardha, Washim, Yavatmal
18 Manipur Bishnupur, Thoubal Bishnupur, Thoubal
19 Meghalaya East Garo Hills, East Khasi Hills, Jaintia Hills
20 Nagaland Dimapur
21 Odisha Balasore, Bhadrak, Ganjam, Jagatsingpur, Jajpur, Kendrapara, Puri Angul, Balasore, Bhadrak,Bargarh Bolangir, Boudh, Cuttack, Deogarh Dhenkanal, Jajpur, Kandhamal ,Keonjhar, Khurda, Mayurbhanj, Nayagarh, Nawapara, Ganjam, Jagatsinghpur, Kalahandi, Koraput, Puri, Rayagada, Sambalpur, Sonepur, Sundargarh

Angul, Balasore, Bargarh, Bhadrak, Bolangir, Baudh, Cuttack, Deogarh, Dhenkanal, Gajapati, Ganjam, J.Singhpur, Jajpur, Jharsuguda, Kalahandi, Kendrapara, Keonjhar, Khurda, Koraput, Malkangiri, Mayurbhanj, Nawapada, Nayagarh, Phulbani, Puri, Sambalpur, Sundergarh, Sonpur Gajapati Balasore, Bargarh, Bhadrak, Cuttack, Deogarh, J.Singhpur, Jajpur, Jharsuguda, Kalahandi, Kandmahal, Keonjhar, Kendrapara,Khurda, Koraput, Mayurbhanj, Nayagarh, Puri, Rayagada, Sambalpur, Sundergarh, Sonpur
22 Punjab Bhatinda, Faridkot, Ferozpur, Gurudaspur, Mansa, Moga, Muktsar Patiala, Sangrur Amritsar, Barnala, Bhatinda, Fazilka, Faridkot, Fatehgarh Sahib, Firozpur, Gurdaspur, Jalandhar, Ludhiana, Mansa, Moga, Muktsar, Pathankot, Patiala, Ropar, Sangrur, SAS Nagar (Mohali), Tarn-Taran
Amritsar, Barnala, Bhatinda, Faridkot, Fatehgarh Sahib, Firozpur, Gurdaspur, Hoshiarpur, Jalandhar, Kapurthala, Ludhiana, Mansa, Moga, Muktsar, NawanShahr, Patiala, Ropar, Rupnagar, Sangrur, Tarn-Taran Mansa, Amritsar, Gurdaspur, Hoshiarpur, Kapurthala, Ropar, Faridkot, Nawashahar, Sangrur, Taran Taran Bhathinda, Faridkot, Fatehgarh Sahib, Firozpur, Gurdaspur, Hoshiarpur, Mansa, Rupnagar, Sangrur
23 Rajasthan Ajmer, Alwar, Baran, Barmer, Bharatpur, Bhilwara, Bikaner, Bundi, Chittorgarh, Churu, Dausa, Dhaulpur, Ganganagar, Hanumangarh, Jaipur, Jaisalmer, Jalore, Jhalawar, Jhunjhunu, Jodhpur, Karauli, Kota, Nagaur, Pali, Rajasamand, Sawai-Madhopur, Sikar, Sirohi, Tonk, Udaipur Ajmer, Alwar, Banswara, Barmer, Bharatpur, Baran, Bhilwara, Bikaner, Bundi, Chittaurgarh, Churu, Dausa, Dhaulpur, Dungarpur, Ganganagar, Hanumangarh, Jaipur, Jaisalmer, Jalore, Jhalawar Jhunjhunu, Jodhpur, Karauli, Kota, Nagaur, Pali, Pratapgarh, Rajsamand, Sirohi, Sikar, Sawai Madhopur, Tonk, Udaipur
Ajmer, Alwar, Banswara, Baran, Barmer, Bundi,Bharatpur, Bhilwara, Bikaner, Chittaurgarh, Churu, Dausa, Dhaulpur, Dungarpur, Ganganagar, Hanumangarh, Jaipur, Jaisalmer, Jalore, Jhalawar, Jhunjhunu, Jodhpur, Karauli, Kota, Nagaur, Pali, Partapgarh, Rajasamand, Sirohi, Sikar, SwaiMadhopur, Tonk, Udaipur Ganganagar Ajmer, Alwar, Banswara, Baran, Barmer, Bharatpur, Bhilwara, Bikaner, Bundi, Chittaurgarh, Churu, Dausa, Dhaulpur, Dungarpur, Ganganagar, Hanumangarh, Jaipur, Jaisalmer,Jalore, Jhalawar, Jhunjhunu, Jodhpur, Karauli, Kota, Nagaur, Pali, Pratapgarh, Rajsamand, Sikar, SawaiMadhopur, Sirohi, Tonk, Udaipur
24 Tamil Nadu Chennai, Coimbatore, Cuddalore, Dharampuri, Dindigul, Kancheepuram, Karur, Nagapattinam, Namakkal, Perambalur, Pudukkottai, Ramnathapuram, Salem, Sivaganga, Thanjavur, Theni, Thiruvallur, Tirunelveli, Trichchirappalli, Tuticorin, Vellore, Villupuram, Virudhunagar Coimbatore, Dharmapuri, Dindigul, Erode, Karur, Kancheepuram, Krishnagiri, Namakkal, Madurai, Puddukotai, Ramanathanpuram, Salem, Sivagangai, Theni, Thiruvannamalai,
Tiruchirapally,
Thirunelveli, Tirupur Vellore, Chennai, Coimbatore, Cuddalore, Dharmapuri, Dindigul, Erode, Kancheepuram, Kanyakumari, Karur, Madurai, Namakkal, Nilgiris, Perambalor, Puddukotai, Ramanathanpuram, Salem, Sivagangai, Theni, Thiruvannamalai, Thanjavur, Tirunelveli, Thiruvallur, Trichy, Tuticorin, Vellore, Villupuram, Virudhunagar Ariyalur
Cuddalore, Nagapattinam,
Ramnathapuram, Tiruvallur, Tirunelveli, Thiruvarur, Trichchirappalli, Tuticorin Namakkal, Salem
25 Tripura Dhalai, North Tripura, South Tripura, West Tripura,
26 Uttar Pradesh Agra, Aligarh, Firozabad, Hamirpur, Kashganj,Kanpur Nagar, Mathura, Rae Bareli,Unnao Agra, Aligarh, Allahabad ,Auraiya, Banda ,Bulandshahar ,Etah,Etawah,, Farrukhabad, Fatehpur, , Firozabad, G B Nagar, Ghaziabad, Hathras,Jaunpur, Kannauj , Kanpur Nagar, Kasganj (Kashiram Nagar), Lalitpur, Mahoba, Mainpuri, Mathura, Maunath Bhanjan, Pratapgarh, Rai Bareli, Shajahanpur, Sonbhadra, Sultanpur, Varanasi and Unnao Agra, Aligarh, Allahabad, Ambedkar Nagar, Auraiya, Azamgarh, Badaun, Baghpat, Balrampur, Banda, Barabanki, Bareilly, Basti, Bijnor, Bulandsahr, Chitrakoot, Etah, Fatehpur, Firozabad, GB Nagar,

Ghaziabad, Ghazipur, Hamirpur, Hardoi, Hathras, Jaunpur, Jhansi, Kannauj, Kanpur Dehat, Lakhimpur, Mahoba, Mathura, Meerut, Mau, Moradabad, Muzaffarnagar, Mirzapur, Raebarelli, SantRavidas Nagar, Shajahanpur, Sitapur, Sonbhadra, Sultanpur, Shravasti, Siddarth Nagar, Unnao Bahraich, Balia, Balrampur,
Bareilly, Basti, Bijnor, Chandauli, Ghazipur, Gonda, Gorakhpur, LakhimpurKheri, Meerut, Mirzapur, Muradabad, Rai Bareilly, SantKabir Nagar, Shajahanpur, Siddarthnagar, SantRavidasNagar, Unnao, Azamgarh, Bahraich, Badaun, Deoria, Jhansi, Kausambi, Kushinagar, Pilibhit, Maunath Bhanjan,

Azamgarh, Ballia, Balrampur, Etawah, Fatehpur, Gazipur, Gonda, Hardoi, KanpurDehat, Kanpur Nagar, Lakhimpur, Lalitpur, Mau, Siddartnagar, Unnao
27 Uttarakhand Dehradun, Haridwar, Udhamsinghnagar
28 West Bengal Howrah, N 24 Parganas, PurbaMedinipore, S 24 Parganas Bankura, Birbhum, Dakshindinajpur, Malda, Purulia, Uttardinajpur, South 24 Praganas
Bankura, Bardhaman Bardhaman, Hooghly, Howrah, Malda, Murshidabad, Nadia, N-24 Parganas, S- 24 Parganas,
Kochbihar
Bankura, Bardhaman, Birbhum, Dakhindinajpur, E. Midnapur, Howrah, Hugli, Jalpaiguri, Kolkatta, Murshidabad, N-24 Parganas, Nadia, S-24 Parganas, Uttardinajpur, West Midnapur
29 Andaman& Nicobar Andaman
30 Daman & Diu Diu
Total 212 districts in 15 states 335 districts in 20 states 387 districts in 21 states 153 districts in 21 states & UTs 302 districts in 25 states and 1 UT

ANNEXURE - II

Annexure referred in reply to part (c) to (e) of Lok Sabha Unstarred Q.No. 802 to be answered on 20.07.2017 regarding "Contamination of Ground Water"

Trainings under RGI
Year Tier-3 training
No. of Trainings No. of Participants Women Participants
2012-13. 100 15640 3522
2013-14 97 12686 3359
2014-15 35 4930 830
2015-16 46 7437 2498
2016-17 34 5104 1168
Total 312 45797 11377
2017-18 (Till June 2017) 5 1010 198

ANNEXURE - III

Annexure referred in reply to part (c) to (e) of Lok Sabha Unstarred Q.No. 802 to be answered on 20.07.2017 regarding "Contamination of Ground Water"

Research project sponsored under INCGW in last five year and current year
Sl. No. Title of Scheme Name of Principle Investigator& Institute
1.
Ground water behaviour in Connate water areas and hard rock terrain of Orissa with respect to different schedules of pumping and varied draw-down conditions Chief Engineer & Director, DGWS&I, Deptt. of Water Resources, Govt. of Orissa, Bhubaneshwar& Regional Director, CGWB, SER, Bhubaneshwar,
2. Spatio-temporal modeling of ground water quality using artificial neural network Dr. K.P. Sudheer, Associate Prof., Dept. of Civil Engg., IIT Madras, Chennai
3. Assessment of hydrogeochemical impacts of shrimp farming on coastal watershed Dr. NilaRekha, Senior Scientist, Central Institute of Brackish Water Aquaculture, Chennai
4. Development of Nanofiltration Membrane Technology for Drinking Water Purification and Water Reclamation for Industrial Use Dr. Paramita Ray, Scientist, Central Salt & Marine Chemicals Research Institute, Bhavnagar, Gujarat
5. Vulnerability assessment and ground water management studies in aquifers of Pondicherry Dr. S. Chidambaram, Associate Professor, Dept. of Earth Sciences, Annamalai University, Chidambaram, Tamil Nadu,
6. Study and Investigations on the Marble Waste Material (Marble Slurry) to remove the Arsenic from Ground Water
Dr. R.N. Yadav, Lecturer,
Govt. R.R. (PG) Autonomous College, Alwar ,Rajasthan